

PATENT ABSTRACTS

13/5/1 (Item 1 from file: 350)
DIALOG(R)File 350: Derwent WPIX
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0016093646 *Drawing available*
WPI Acc no: 2006-625276/200665
XRPX Acc No: N2006-503543

Data processing method involves generating idle time synchronizing information with runt abort packet when data is not received

Patent Assignee: JUNIPER NETWORKS INC (JUNI-N)

Inventor: CHEN D C; FERGUSON D C; PADMANABHAN R; SKIBO T M; VERWILLOW E M

Patent Family (1 patents, 1 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 7099352	B1	20060829	US 2001752828	A	20010103	200665	B

Priority Applications (no., kind, date): US 2001752828 A 20010103

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 7099352	B1	EN	13	6	

Alerting Abstract US B1

NOVELTY - A data for further processing in data transmitting system is forwarded when data is received and an idle time **synchronizing** information, including a runt abort **packet** with **length less** than 6 bytes, during idle time is generated when data is not received. The idle time synchronizing information synchronizes the data receiving system with data transmitting system. A packet information is generated by processing the data and idle time **synchronization** information in accordance with **packet** protocol is generated.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. data processing apparatus;
2. data receiving method;
3. method for synchronizing transmission system with receiving system; and
4. system for synchronizing transmitting system with receiving system.

USE - For processing data.

ADVANTAGE - The receiving system is synchronized with transmitting system even when error state occurs.

DESCRIPTION OF DRAWINGS - The figure shows flow chart explaining the steps involved in data processing method.

13/3,K/5 (Item 5 from file: 350)
DIALOG(R)File 350: Derwent WPIX
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0010221513 *Drawing available*

WPI Acc no: 2000-532600/200048

XRPX Acc No: N2000-393976

Distributed system synchronizing method involves decoding multicast information to generate local signals and transferring the local signal to one or more packet capture, analysis and generation circuits

Patent Assignee: FINISAR CORP (FINI-N); SHOMITI SYSTEMS (SHOM-N); SIKDAR S (SIKD-I)

Inventor: SIKDAR S

Patent Family (6 patents, 88 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2000039962	A1	20000706	WO 1999US30995	A	19991227	200048	B
AU 200024859	A	20000731	AU 200024859	A	19991227	200050	E
US 20020176448	A1	20021128	US 1998223103	A	19981230	200281	E
			US 2002176516	A	20020621		
US 6724729	B1	20040420	US 1998223103	A	19981230	200427	E
US 7120121	B2	20061010	US 1998223103	A	19981230	200667	E
			US 2002176516	A	20020621		
CA 2394418	C	20070220	CA 2394418	A	19991227	200716	E
			WO 1999US30995	A	19991227		

Priority Applications (no., kind, date): US 1998223103 A 19981230; US 2002176516 A 20020621

Patent Details						
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
WO 2000039962	A1	EN	55	7		
National Designated States,Original	AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW					
Regional Designated States,Original	AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW					
AU 200024859	A	EN			Based on OPI patent	WO 2000039962
US 20020176448	A1	EN			Continuation of application	US 1998223103
US 7120121	B2	EN			Continuation of application	US 1998223103
					Continuation of patent	US 6724729
CA 2394418	C	EN			PCT Application	WO 1999US30995
					Based on OPI patent	WO 2000039962

Alerting Abstract ...NOVELTY - The selected synchronized analyzers receive the multicast information

and communication **packets**. Each selected **synchronized** analyzer has processing resources which include a **synchronization** decoder circuit and **packet** captured, analysis and generation circuits (PCAGC). The synchronization decoder circuit decodes the multicast information and... DESCRIPTION - The multicast information includes destination data corresponding to addresses of the selected **synchronized** analyzers. The data **packets** are processed by PCAGCs upon reception of local signals. INDEPENDENT CLAIMS are also included for... ... is reused for transferring the multicast information thereby avoiding the use of extra cabling for **synchronization** and **packet** communication... Original Publication Data by Authority Argentina Publication No. ...

Original Abstracts: a central processing unit. The distributed system synchronization method comprises receiving multicast information, generating local **synchronization** signals, receiving control data **packets**, and beginning processing of monitored data **packets**. The **synchronization** decoder circuit receives the multicast information, decodes the multicast information, and responsive to the multicast... ... than a maximum synchronization time. The maximum synchronization time comprises a parameter related to a **smallest** useful **packet size** and a network speed. The medium access controller receives control data packets. Each control data packet corresponds to a **data stream**. The monitored **data** packets are transmitted in a **data stream** selected for monitoring. Responsive to the local **synchronization** signals and the control data **packets**, the central processing unit for each analyzer processes monitored data packets... ... a central processing unit. The distributed system synchronization method comprises receiving multicast information, generating local **synchronization** signals, receiving control data **packets**, and beginning processing of monitored data **packets**. The **synchronization** decoder circuit receives the multicast information, decodes the multicast information, and responsive to the multicast... ... than a maximum synchronization time. The maximum synchronization time comprises a parameter related to a **smallest** useful **packet size** and a network speed. The medium access controller receives control data packets. Each control data packet corresponds to a **data stream**. The monitored **data** packets are transmitted in a **data stream** selected for monitoring. Responsive to the local **synchronization** signals and the control data **packets**, the central processing unit for each analyzer processes monitored data packets... ... a central processing unit. The distributed system synchronization method comprises receiving multicast information, generating local **synchronization** signals, receiving control data **packets**, and beginning processing of monitored data **packets**. The **synchronization** decoder circuit receives the multicast information, decodes the multicast information, and responsive to the multicast... ... than a maximum synchronization time. The maximum synchronization time comprises a parameter related to a **smallest** useful **packet size** and a network speed. The medium access controller receives control data packets. Each control data packet corresponds to a **data stream**. The monitored **data** packets are transmitted in a **data stream** selected for monitoring. Responsive to the local **synchronization** signals and the control data **packets**, the central processing unit for each analyzer processes monitored data packets... ... a central processing unit. The distributed system synchronization method comprises receiving multicast information, generating local **synchronization** signals, receiving control data **packets**, and beginning processing of monitored data **packets**. The **synchronization** decoder circuit receives the multicast information, decodes the multicast information, and responsive to the multicast... ... than a maximum synchronization time. The maximum synchronization time comprises a parameter related to a **smallest** useful **packet size** and a network speed. The medium access controller receives control data packets. Each control data packet corresponds to a **data stream**. The monitored **data** packets are transmitted in a **data stream** selected for monitoring. Responsive to the local **synchronization** signals and the control data **packets**, the central processing unit for each analyzer processes monitored data packets... ...

Claims: 1. A method for synchronizing a distributed system, the distributed system having synchronized analyzers, and **data streams**, the distributed system supporting multicast communications, the method comprising: selected synchronized analyzers receiving the multicast information and communication **packets**, each selected **synchronized** analyzer having processing resources including a synchronization decoder circuit, and one or more packet capture... ... 1. A method for synchronizing a distributed system, the distributed system having synchronized analyzers, and **data streams**, the distributed system supporting multicast communications, the method comprising: selected synchronized analyzers receiving the multicast information and communication **packets**, each selected **synchronized** analyzer having processing resources including a synchronization decoder circuit, and one or more packet capture... ... than a maximum synchronization time, the maximum synchronization time comprises a parameter related to a **smallest** useful **packet size** and a network speed, and the maximum synchronization time is less than approximately one microsecond... ... 1. A method for synchronizing a distributed system, the distributed system having synchronized analyzers, and **data streams**, the distributed system supporting multicast communications,

the method comprising: selected synchronized analyzers receiving from a... ... packet capture, analysis and generation circuits to simultaneously analyze at least a portion of the **data streams** received over the network connection for which the multicast information was received; based on the analysis of the **data streams**, generating analysis **data**; and sending the analysis data to the control unit over the network connection used to send the multicast information, the analysis data corresponding to the analysis of the **data streams** for the network.

17/5/2 (Item 2 from file: 347)
DIALOG(R)File 347: JAPIO
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06563712 **Image available**

**DATA RECORDER AND RECORDING METHOD, DATA RECORDING AND REPRODUCING
DEVICE AND RECORDING AND REPRODUCING METHOD, AND DATA RECORDING
MEDIUM**

Pub. No.: 2000-149455 [JP 2000149455 A]
Published: May 30, 2000 (**20000530**)
Inventor: ISOZAKI MASAOKI
Applicant: SONY CORP
Application No.: 10-319623 [JP 98319623]
Filed: November 10, 1998 (19981110)
International Class: G11B-020/12; G11B-020/10

ABSTRACT

PROBLEM TO BE SOLVED: To enable dealing with recording/reproducing of plural formats in which rates are different and to suppress increase of the redundancy, with hardware of a **small** scale.

SOLUTION: Respective **lengths** of data **packet** of video data and data packet of audio data is made different and set to optimum for plural formats in which video rates are different. Thereby, a circuit for record processing with respect to plural formats can be used as a circuit for reproduction processing. Also, since audio does not depend on a video rate and a picture frame, a video rate can be adjusted without changing audio signal processing. Further, since two video data **packets** can be stored in one **Sync** block, the recording efficiency can be improved.

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17/5/3 (Item 1 from file: 350)
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0011075805 *Drawing available*

WPI Acc no: 2002-011025/**200201**

XRPX Acc No: N2002-009169

Distributing video reference signals e.g. in television studio or video editing application in which isochronous packet size may be reduced and overall bandwidth consumption decreased

Patent Assignee: OMNEON VIDEO NETWORKS (OMNE-N)

Inventor: STALLKAMP R W

Patent Family (4 patents, 94 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
WO 2001078400	A1	20011018	WO 2001US10285	A	20010330	200201	B
AU 200149657	A	20011023	AU 200149657	A	20010330	200213	E
EP 1273173	A1	20030108	EP 2001922907	A	20010330	200311	E
			WO 2001US10285	A	20010330		
US 6522649	B1	20030218	US 2000544739	A	20000407	200317	E

Priority Applications (no., kind, date): US 2000544739 A 20000407

Patent Details						
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
WO 2001078400	A1	EN	22	4		
National Designated States,Original	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW					
Regional Designated States,Original	AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW					
AU 200149657	A	EN			Based on OPI patent	WO 2001078400
EP 1273173	A1	EN			PCT Application	WO 2001US10285
					Based on OPI patent	WO 2001078400
Regional Designated States,Original	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR					

Alerting Abstract WO A1

NOVELTY - A house reference signal is distributed among various audio/video devices using isochronous network packets. These network packets exclusively contain isochronous header information rather than header information accompanied by audio and/or video data.

DESCRIPTION - An INDEPENDENT CLAIM is included for a network.

USE - To distribute video reference signals e.g. in television studio or video editing application.

ADVANTAGE - Data may be discarded without detrimentally affecting to the reference signal. By discarding the unused data associated with the video reference signal, isochronous **packet size** may be **reduced** and overall bandwidth consumption decreased.

DESCRIPTION OF DRAWINGS - The drawing shows an isochronous house reference distribution network.

17/5/4 (Item 2 from file: 350)
 DIALOG(R)File 350: Derwent WPIX
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0010967509 *Drawing available*
 WPI Acc no: 2001-591134/**200167**
 XRPX Acc No: N2001-440384

Isochronous packet transfer method for packets with secure transfer bands (between buses), determines identical timings based on cycle-identification and transmit packets until cycle number specified by delay information elapses

Patent Assignee: NEC CORP (NIDE)
 Inventor: DOMON W

Patent Family (6 patents, 29 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1087581	A2	20010328	EP 2000308349	A	20000922	200167	B
CA 2320619	A1	20010324	CA 2320619	A	20000920	200167	E
JP 2001094576	A	20010406	JP 1999271388	A	19990924	200167	E
KR 2001050628	A	20010615	KR 200056214	A	20000925	200171	E
JP 3424620	B2	20030707	JP 1999271388	A	19990924	200345	E
US 6813282	B1	20041102	US 2000665262	A	20000919	200472	E

Priority Applications (no., kind, date): JP 1999271388 A 19990924

Patent Details						
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
EP 1087581	A2	EN	45	24		
Regional Designated States,Original	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
CA 2320619	A1	EN				
JP 2001094576	A	JA	32			
JP 3424620	B2	JA	32		Previously issued patent	JP 2001094576

Alerting Abstract EP A2

NOVELTY - Input/output side cycle-identification information at a previously determined identical timing is used to generate input/output side reference cycle-identifications. A first/second value of elapsed cycle number is computed from input/output side to a point where the isochronous packet appears on the input/output bus. The packets are transferred after a delay until the cycle number elapses on the output bus side.

DESCRIPTION - An INDEPENDENT claim is also included for a computer program stored on a computer readable medium, a bridge, a packet transfer control large scale integrated circuit.

USE - For packets with secure transfer bands (between buses).

ADVANTAGE - It provides a constant/**synchronized** isochronous delay in the **packet** inter-bus transfer, even if there is a transmit delay in the cycle-start which can reduce size of transfer buffer between buses.

DESCRIPTION OF DRAWINGS - The figure shows block diagram of a construction bridge for isochronous packet transfer.

40,41 Bus

17/5/9 (Item 7 from file: 350)
DIALOG(R)File 350: Derwent WPIX
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0008573329 *Drawing available*

WPI Acc no: 1998-107667/**199810**

XRPX Acc No: N1998-086648

Node apparatus for network system - has synchronous reproduction unit which ascertains synchronising signal extracted from packet sent by certain transmitter and maintains synchronisation using synchronising signals from packet sent by other transmitters

Patent Assignee: CANON KK (CANO)

Inventor: MASHITA H; NAKADA T

Patent Family (1 patents, 1 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 9331346	A	19971222	JP 1996149142	A	19960611	199810	B

Priority Applications (no., kind, date): JP 1996149142 A 19960611

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
JP 9331346	A	JA	15	7	

Alerting Abstract JP A

The apparatus has fixed wavelength receivers (103-110) provided for a packet transmitted as a light signal, and variable wavelength transmitters (103-110) that convert the packet into a light signal with desired wavelength. A synchronous reproduction unit (156) extracts and ascertains a **synchronising** signal from the **packet** that is sent by a certain variable wavelength transmitter. Synchronisation is maintained using the **synchronising** signals extracted from **packet** sent by the other variable wavelength transmitters. Separation and insertion units (119-126) separate the packet and transmit the packet to several terminals (160-167) into which the packet is inserted. A buffer controller (154) reads the packet from the buffers (127-134), which temporarily store the packet, according to a predetermined transmission wavelength control pattern. A controller (153) regulates the transmission wavelength according to the control pattern. ADVANTAGE - Reproduces **packet** even if one transmitter fails. **Reduces** circuit **size** since synchronising circuit is not provided to each receiver.

[your invention]

18/5/2 (Item 2 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0014374690 *Drawing available*

WPI Acc no: 2004-563604/200455

XRPX Acc No: N2004-445633

Numerical bus heterogeneous network access control has access level each first packet and second packet formed first packet and associated same access level inserting level second packet access field

Patent Assignee: CANON EUROPA NV (CANO)

Inventor: FROUIN L; HALNA D F T; HALNA DU FRETAY T

Patent Family (2 patents, 2 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
FR 2850508	A1	20040730	FR 2003834	A	20030123	200455	B
US 20040215813	A1	20041028	US 2004753491	A	20040109	200471	E

Priority Applications (no., kind, date): FR 2003834 A 20030123

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
FR 2850508	A1	FR	56	10	

Alerting Abstract FR A1

NOVELTY - The information insertion access control of a digital word stream from an input terminal associates an **access level** to each **first packet** amongst a number of **levels of access**. Each **second packet** is formed from the **first packet** with an associated same **access level** and insert the same **level of access** in the **access level** field of the **second packet**.

USE - Audiovisual system access control to numerical bus heterogeneous network.

ADVANTAGE - The access method is simple and low cost.

DESCRIPTION OF DRAWINGS - The figure shows a schematic of a heterogeneous domestic audiovisual network of a digital bus

18/3,K/5 (Item 5 from file: 350)
 DIALOG(R)File 350: Derwent WPIX
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0009922012 *Drawing available*
 WPI Acc no: 2000-222207/200019
 XRPX Acc No: N2000-166310

Pull model data communication method for clients in computer network and data communication network

Patent Assignee: UNISYS CORP (BURS)

Inventor: BASSETT J S; BRANDT M S; JOHNSON R A; LEIGH J J; MCCRORY D J; MOULTON R K

Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6014703	A	20000111	US 1997887295	A	19970702	200019	B
US 6345296	B1	20020205	US 1997887295	A	19970702	200211	E

Priority Applications (no., kind, date): US 1997887295 A 19970702

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 6014703	A	EN	58	23	

Alerting Abstract ...NOVELTY - A **second** network **packet**, which includes a receiving memory address, is generated. The receiving memory address, which corresponds to... ..and data copied from one sending buffer identified by the dialog sending control block. The **second** network **packet** is sent to a receiving interconnect front end. Original Publication Data by AuthorityArgentina**Publication No. ...Original Abstracts:**node. Multiple outstanding CIA primitive operations are allowed on each dialog. Dialogs can handle byte **stream** or message oriented **data**. Dialog operations and features further include scatter and gather support, Early-Far-End and Far... ..receives messages with substantially no restrictions on send/rcv lengths, and multiple dialog priorities. A **user level** management dialog is established to manage establishment of logical dialogs. Various dialog establishment services can... ..node. Multiple outstanding CIA primitive operations are allowed on each dialog. Dialogs can handle byte **stream** or message oriented **data** Dialog operations and features further include scatter and gather support, Early-Far-End and Far... ..receives messages with substantially no restrictions on send/rcv lengths, and multiple dialog priorities. A **user level** management dialog is established to manage establishment of logical dialogs. Various dialog establishment services can... ..**Claims:**data destination descriptor parameter in said dialog receive control block;sending said RCB in a **first** network **packet** to a send IFE; andat a send side,**queuing** said RCB in said send IFE;constructing a dialog send control block, said dialog send control block... .. determining a match between said dialog send control block and said queued RCB;building a **second** network **packet**, said **second** network **packet** including a receive memory address for said receive buffer copied from said RCB in said network packet **and** data **copied** from **at least one** send buffer identified by said dialog send control block; andsending said **second** network **packet** to said receive IFE.... .. data destination descriptor parameter in said dialog receive control block;sending said RCB in a **first** network **packet** to a send IFE; andat a send side,queuing said RCB in said send... .. send control block including a dialog send primitive having dialog send parameters and data that **is to be** sent to the receive client;passing said dialog send control block to said send IFE;determining a match between said dialog send control block and said queued RCB;building a **second** network **packet**, said **second** network **packet** including a receive memory address for said receive buffer copied from said RCB in said... .. at least one send buffer identified by said dialog send control block andsending said **second** network **packet** to said receive IFE.

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DIALOG(R)File 350: Derwent WPIX
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0015093234 *Drawing available*
WPI Acc no: 2005-442701/200545
Related WPI Acc No: 2003-729714
XRPX Acc No: N2005-359604

Packet processing method in communication system, involves transmitting packet processed by decapsulation chain, for processing in encapsulation chain to form another processed packet which is then transmitted

Patent Assignee: CISCO TECHNOLOGY INC (CISC-N)

Inventor: CARTEE C A; HAMPTON D R; KOLAR T D; LOUGHEED K S; MARQUES P; MAY W B; MOBERG K A; STOVALL G D; VALENCIA A J

Patent Family (1 patents, 1 countries)							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 6907468	B1	20050614	US 1999419035	A	19991015	200545	B
			US 2003408187	A	20030404		

Priority Applications (no., kind, date): US 1999419035 A 19991015; US 2003408187 A 20030404

Patent Details						
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
US 6907468	B1	EN	18	6	Continuation of application	US 1999419035
					Continuation of patent	US 6578084

Alerting Abstract US B1

NOVELTY - The incoming packet encapsulated to specific protocol is processed by the decapsulation chain to form processed packet. The processed packet is transmitted for processing in the encapsulation chain to form another processed packet which is then transmitted.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. computer program product for packet processing; and
2. article of manufacture comprising computer readable medium for storing packet processing program.

USE - For processing packet in communication system connected to local area network (LAN), wide area network (WAN) and internet.

ADVANTAGE - Allows chain elements to be skipped or executed in non-sequential way to route packets through routers expediently.

DESCRIPTION OF DRAWINGS - The figure shows a block diagram of the network.

12A,12B ethernet LAN

15A,15B routers

18A-18C blocks

FULL-TEXT PATENTS

[no relevant results]

NPL

[date?]

27/5/13 (Item 10 from file: 23)
DIALOG(R)File 23: CSA Technology Research Database
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0009164203 IP Accession No: 200805-71-628256; 200805-61-676917; 2008609006; A08-99-658138
Method and system for co-relating transport packets on different channels using a unique packet identifier

Chen, Iue-Shuenn; Mamidwar, Rajesh; Cheung, Francis; Chen, Xuemin
, USA

Publisher Url: <http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netahtml/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=7346055.PN.&OS=pn/7346055&RS=PN/7346055>

Document Type: Patent

Record Type: Abstract

Language: English

File Segment: Metadex; Mechanical & Transportation Engineering Abstracts; ANTE: Abstracts in New Technologies and Engineering; Aerospace & High Technology

Abstract:

Aspects of the present invention may include replicating a **first** primary packet to create a second primary packet for a particular channel. A unique identifier may be assigned to the first **primary packet** and a different unique identifier may be assigned to the second **primary packet**. The **first primary packet** may be replicated in order to **create a first secondary packet** and the **second primary packet** may be replicated to **create a second secondary packet**. In response to the receipt of the new stream with replicated packets, the first or said second primary packet may be selected and the first or second secondary packet may be selected for a particular PID based on the assigned unique identifier. The selections may be done to co-relate the selected first and/or second primary packet with a legacy system or the selected first and/or second secondary packet with a new system.

Descriptors: Channels; Inventions; Replicating; Streams; Proportional integral derivative; Transport

Subj Catg: 71, General and Nonclassified; 61, Design Principles; 99, General

27/5/15 (Item 12 from file: 23)
DIALOG(R)File 23: CSA Technology Research Database
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0008675114 IP Accession No: 200803-71-246348; 200803-61-246746; 2008235961; A08-99-240319

Data streaming

Rajwan, Doron; Lubetzky, Eyal; Azar, Joseph Yossi
, USA

Publisher Url: [http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netahtml/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=73 27761.PN.&OS=pn/7327761&RS=PN/7327761](http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO2&Sect2=HITOFF&u=/netahtml/PTO/search-adv.htm&r=1&p=1&f=G&l=50&d=PTXT&S1=73%207761.PN.&OS=pn/7327761&RS=PN/7327761)

Document Type: Patent

Record Type: Abstract

Language: English

File Segment: Metadex; Mechanical & Transportation Engineering Abstracts; ANTE: Abstracts in New Technologies and Engineering; Aerospace & High Technology

Abstract:

A method of streaming data, comprising: receiving an input stream of data, at a transmitter; dividing the input stream into a plurality of blocks, at least one of which blocks is incomplete; **generating a plurality of first packets** based on at least one block of data; **generating** at least one second packet from at least one as yet incomplete block of data; said block comprising recently received data; transmitting said at least one first packet and at least one second packet to a receiver that can reconstruct said stream from said first packets and said second packets, said transmitting utilizing a differential protocol by which different parts of the data are transmitted at different rates, so that a receiver can join the transmission at any time and start receiving the data at a minimum delay; and generating at least one third packet from said at least one incomplete block; said at least one third packet being based at least in part on data received subsequent to data forming the basis for the at least one second packet; wherein said at least one second packet is transmitted at a higher rate than mandated by said protocol to compensate for a later repeated transmission of information carried in said at least one second packet at a lower rate than mandated by the protocol, once said at least one third packet is generated and transmitted.

Descriptors: Streams; Transmission; Receivers; Transmitters; Delay; Forming

Subj Catg: 71, General and Nonclassified; 61, Design Principles; 99, General